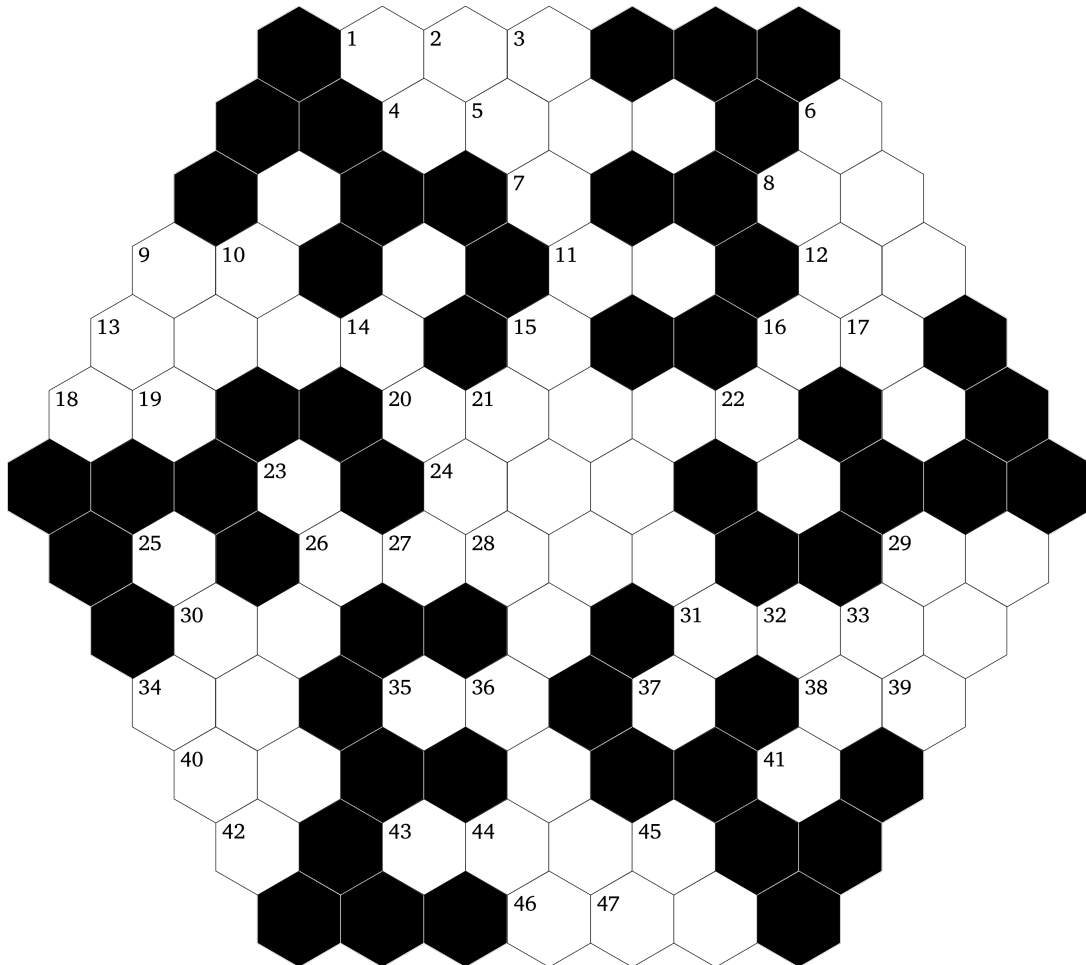
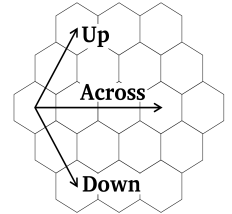


TripleCross - Challenging Puzzle #18

This puzzle is like a crossword, but with numbers. Each digit occupies a hexagonal cell and can be a part of a "word" in the across, up, and down directions.

Rules:

1. "Words" may not start with a zero.
2. "Words" in the 'across' direction read from left to right.
3. "Words" in the 'up' direction read along the upward diagonal to the right.
4. "Words" in the 'down' direction read along the downward diagonal to the right.
5. There is one unique solution which satisfies all the clues given below.
6. Some "words" may not have clues. They will be determined by the "words" which intersect them.



Across

- 1 37 up times 29 across
 4 Twice a prime number
 8 5 up minus 16 across
 9 5 up reversed
 11 Mean of 47 up and 42 up
 12 Twice the result of 9 across minus 38 across
 13 Twice a prime number
 16 32 down minus 45 down
 18 7 up minus 34 up
 20 Half of 26 across, then subtract 17 up
 24 Eighty-nine times 37 up
 26 Fourteen times a prime number
 29 44 up minus 17 up
 30 14 up plus 23 down
 31 Twice the result of 4 across minus 43 across
 34 44 up minus 32 down
 35 13 down minus 34 across
 38 44 down minus 16 across
 40 22 down minus half of 30 across
 43 A prime number
 46 Twenty-one times 34 across

Up

- 4 33 down minus 16 across
 5 1 down minus 45 down
 7 42 up minus 45 down
 8 29 down minus 34 across
 14 10 down minus 8 across
 17 30 across minus 1 down
 18 14 down divided by 29 down
 19 Twice the result of 15 down minus 25 down
 22 Twice a prime number
 27 Last two digits are the same as last two digits of 34 down
 28 1 across minus 44 up
 34 Half of 44 down
 36 Twenty-four times a prime number
 37 33 down minus 32 down
 39 34 across plus 21 down
 40 Eight times a prime number
 41 21 down plus 24 across
 42 34 up plus 29 across
 44 18 across plus 16 across
 46 Same as 1 down
 47 30 across plus 37 up

Down

- 1 Twice 16 across
 2 A square
 3 Same as 11 across
 6 Four times a prime number
 8 Half of 22 up, then subtract 6 down
 9 34 up plus 23 down
 10 Mean of 14 up and 46 up
 13 38 across plus 37 up
 14 Last two digits are the same as last two digits of 31 across
 15 Thirteen times a prime number
 21 18 up plus 40 across
 22 45 down plus 32 down
 23 44 up minus 35 across
 25 Nine times a prime number
 29 3 down minus 10 down
 32 9 across minus 29 down
 33 34 up plus 8 up
 34 Twenty-nine times 37 up
 36 Thirty-three times a prime number
 44 3 down minus 8 across
 45 18 across minus 34 across

Solution:

